

JP 405004348 A
JAN 1993

(54) INK JET RECORDING HEAD AND MANUFACTURE THEREOF

(11) 5-4348 (A) (43) 14.1.1993 (19) JP

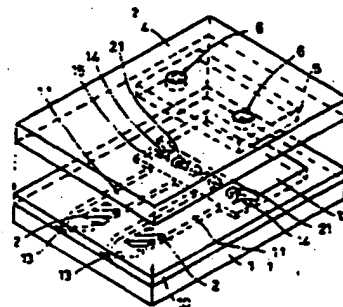
(21) Appl. No. 3-157044 (22) 27.6.1991

(71) CANON INC (72) ISAO IMAMURA

(51) Int. Cl. B41J2/16, B41J2/05

PURPOSE: To provide the above ink jet recording head and manufacture thereof wherein clogging of a delivery port and liquid channel does not occur and feeding characteristics of ink to the liquid channel and delivery characteristics from the delivery port are good and mass-production of the ink jet recording head can be easily carried out.

CONSTITUTION: Fillers having three-dimensional shape such as whiskers 14 are provided in a common liquid channel 15 constituting a section in communication with a liquid chamber 12 of a liquid channel 11. This ink jet recording head is produced by a method wherein a solid layer 3 made up of removable material is superposed on an area corresponding to the channel 11, chamber 12, and channel 15 on a first substrate 1 and further packing materials 10 are superposed and then the layer 3 is removed. In that case, fillers having three-dimensional shape such as whiskers 14 are mixed into the solid layer 3 in the area corresponding to the channel 15.



2: delivery energy generating element, 4: second substrate,
5: recess, 6: liquid feed port, 12: delivery port, 13: column

BEST AVAILABLE COPY